



Electric Level 4 Introduction

Welcome to the 4-H Electric Project! The fourth level of the Electric project is intended for youth in their fourth year of the Electric project or those who are the appropriate age but just beginning to explore electricity.

To read, do work or drive at night the proper amount and placement of light is critical. When natural light is not available an artificial source of light must be used. One must have a basic understanding of lightbulbs, and the quantity and quality of lighting to create and place a source. Then, too, one must begin to understand the measure of electricity and its cost. The level 4 materials will give you better understanding and reasoning for the world of electricity.

4-H participants will be evaluated on how well they are meeting the expectations of the program. Their projects, along with Skills & Knowledge Sheets are scored by judges during the fair. While this is intended to be fun and educational there are industry standards that keep projects and participants safe.

By now you should have **Book 1-Magic of Electricity**, **Book 2-Investigating Electricity**, and **Book 3-Wired for Power** from your previous years in the project. The activities in those resources, along with other sources you have acquired, will be utilized this year as you continue to grow.

Other resources that will help you complete your project can be found on the Purdue Extension website. Visit <https://extension.purdue.edu/4-H/projects/4-h-project-electric.html> and look for the following under Project Resources:

- **Score Cards**
- **Record Sheets**
- **Level IV Project Sheets**
- **Exhibit Guidelines**
 - **Electric Exhibit Guidelines**
 - **Electric Skills and Knowledge Sheet**
 - **Exhibit Skills and Knowledge Chart**
- **Instructional Videos**
- **Other** (includes information on how to order kits, how to make a poster, and books about wiring)

Be sure to review the **Score Card** for your particular project first so that you understand the judges' expectations for the project and the participant.

Inquire of your local Extension Educator for Electric Project Leaders in your area. They may hold workshops or give advice on the electric project.

Note: Projects can be in the form of Physical Objects, Posters, Display Boards or Written Report at any level. Projects are not limited to all the resources mentioned here or on the Purdue extension website. We encourage creativity within projects if they are age and level appropriate.

Safe industry standards must be observed with electrical components and will be judged accordingly.

Good luck, have fun and be safe!